The New Atheism claims being a scientist and a Christian is like being a vegan butcher.

But both today and in history, many scientists, mathematicians and engineers are motivated in their work by the uncovering of the precise orderliness, underlying simplicity, and inherent beauty of God’s creations. Many not only study the creation, but have pursued the identity of the Creator and have found Him in the foundational tenets of Christianity. Some of these scientists are:

- Isaac Newton - the father of classical physics and co-creator of calculus
- Michael Faraday - the founder of electrical engineering
- Blaise Pascal - mathematician extraordinaire and inventor of the first computer
- Leonhard Euler - the most prolific mathematician of all time
- George Washington Carver - the “father of the peanut”
- Louis Pasteur - the father of microbiology
- Thomas Bayes - the founder of statistical inference
- James Clerk Maxwell - the formulator of electromagnetics
- Francis Collins - Director of the Human Genome Project
- and on and on...

In 2010, Dr. Marks was listed by CollegeCrunch.com as one of "The 20 Most Brilliant Christian Professors," and, in 2013, one of "the 50 smartest people of faith" at TheBestSchools.org.
The Silent Purge
A Campus Crusade Against the Constitution

Limiting First Amendment rights for Christians undercuts rights for everyone else.

By HARVEY A. SILVERGLATE

Sept. 18, 2014 7:01 p.m. ET

In my lifetime I have been fortunate to see private associations within civil society promote astonishing social and political advancements in civil rights for African-Americans, women and gays. The voices of a like-minded minority, when allowed to associate and present a unified message, can be powerful. Yet we cannot pick and choose which groups have rights. Thus the current controversy surrounding evangelical Christian organizations on college campuses is a test of our commitment to liberal and constitutional ideals.

Earlier this month the California State University System "de-recognized" 23 campus chapters of the InterVarsity Christian Fellowship (IVCF). This decision stems from a December 2011 chancellor's executive order stating that "No campus shall recognize any ... student organization unless its membership and leadership are open to all
Cal State University strips official status from InterVarsity Christian Fellowship

By Josh Dulaney
LA Daily News

POSTED: 09/26/2014 09:27:41 PM PDT

By Josh Dulaney, LA Daily News

After refusing to eliminate a requirement that leaders affirm a doctrine of faith, a Christian student organization has returned to Cal State University this fall without the financial help, recruitment opportunities and community standing other groups enjoy.

InterVarsity Christian Fellowship chose not to comply with a 2011 executive order signed by former Chancellor Charles B. Reed that prohibits CSU schools from recognizing any student group that denies membership and leadership to students based on a variety of factors, including religion. The well-known group, while welcome on campus, no longer has official club status in the 23-campus system.

While the organization — which opened its first chapter in 1947 in San Luis Obispo and lists CSU chapters at Pomona, Northridge, Los Angeles and Long Beach among others — is open to all students, its bylaws require chapter leaders to agree with the organization’s doctrine.
Science and Faith: Separate But Equal? Answer...
The New Atheists

“Christian theism must be rejected by any person with even a shred of respect for reason” George H. Smith, Atheist Philosopher
Richard Dawkins
"What has been will be again, what has been done will be done again; there is nothing new under the sun."

Ecclesiastes 1:9
Nothing new under the sun: “The falsehood that science required the defeat of religion was proclaimed by such self-appointed cheerleaders as Voltaire, Diderot, and Gibbon who themselves played no part in the scientific enterprise - a pattern that continues.”
How does New Atheism position about science vs. faith stand up to history?
“… the Christian world … gave birth in a clear, articulate fashion to the experimental method of science itself.”

“... Hebrew and Christian belief in a deity who was at once a Creator and Law-giver rendered ... [the idea of the ‘laws of nature’] valid.”

A.R. Hall, Historian

ROMANS 1:20 For since the creation of the world God’s invisible qualities—his eternal power and divine nature—have been clearly seen, being understood from what has been made, so that people are without excuse.
“The more I study nature, the more I stand amazed at the work of the Creator. Into his tiniest creatures, God has placed extraordinary properties …”

Louis Pasteur (1822-1895)
Biography’s Top 100 Persons of the Millennium

2. Isaac Newton
The father of classical physics.
Co-Discoverer of Calculus

22. Thomas Bayes
The founder of statistical inference

13. Louis Pasteur
The father of microbiology

61. Michael Faraday
The father of electrical engineering

Blaise Pascal
The father of computer engineering

James Clerk Maxwell
The founder of electromagnetics


Sir Isaac Newton (1642-1727)

“...one of the greatest names in the history of human thought”

Newtonian Physics

Quantum Theory
(very small)

Relativity
(very big)
Sir Isaac Newton Contributions
Sir Isaac Newton Contributions

Newton (mks unit for force)
Newton’s Three Laws of Motion
Newton’s rings
Newton Optimization
Newtonian Physics
Newtonian Fluid
Newton Raphson Method
Newtonian telescope
Newtonian dynamics
Newtonian constant of gravitation = 6.672 59 × 10^-11 m³ kg⁻¹ s⁻²
God observed in nature...

“[The] beautiful system of the sun, planets and comets could only proceed from the counsel and dominion of an intelligent and powerful Being.”

Isaac Newton
“God in the beginning formed matter in solid, massy, hard, impenetrable, moveable particles, of such sizes and figures, and with other such properties, and in such proportion to space, as most conduced to the end for which He formed them.”
Newton on Atheism

“Atheism is so senseless and odious to mankind that it never had many professors.”
Kepler’s Laws

II. The line joining the planet to the Sun sweeps out equal areas in equal times as the planet travels around the ellipse.
Kepler’s Laws

III. The ratio of the squares of the revolutionary periods for two planets is equal to the ratio of the cubes of their semimajor axes.

\[
\frac{P_1^2}{P_2^2} = \frac{R_1^3}{R_2^3}
\]
“When asked: Why do you do science?”, Kepler answered that he desired in his scientific research to obtain a sample test of the delight of the Divine Creator in his work and to partake of his joy.”
Michael Faraday (1791-1867)

\[ \oint E \cdot dr = - \frac{d}{dt} \iint B \cdot dA \]

\[ \nabla \times \vec{E} = -\frac{\partial \vec{B}}{\partial t} \]

\[ F = N_A e \]
“...enabling the mind to apply the natural power through law... conveys the gifts of God to man.”
George Washington Carver

“God is going to reveal to us things He never revealed before if we put our hands in His.”

Named his research lab *God’s Little Workshop.*
Donald Knuth

- Computer Scientist Extraordinaire
- “The father computer science”
- Authored multi volume “The Art of Computer Programming”
- Knuth is the creator of the Tex computer typesetting system
Donald Knuth

- Knuth studied the Bible like he graded student’s programing.
- “It’s tragic that scientific advances have caused many people to imagine that they know it all, and that God is irrelevant or nonexistent. The fact is that everything we learn reveals more things that we do not understand... Reverence for God comes naturally if we are honest about how little we know.”
Thomas Bayes (1702 – 1761)

Bayes Theorem

\[ P[A | B] = \frac{P[B | A]P[A]}{P[B]} \]
James Clerk Maxwell  (1831 - 1879)
James Clerk Maxwell

Maxwell’s Equations

\[ \nabla \cdot \vec{D} = \rho \]

\[ \nabla \times \vec{E} = -\frac{\partial \vec{B}}{\partial t} \]

\[ \nabla \cdot \vec{B} = 0 \]

\[ \nabla \times \vec{H} = \vec{J} + \frac{\partial \vec{D}}{\partial t} \]
James Clerk Maxwell

“The only desire which I can ... have is, like David, to serve my own generation by the will of God, and then fall asleep.” Maxwell (near death).

“I believe ... that ‘Man's chief end is to glorify God and to enjoy Him for ever’.”
Blaise Pascal
(1623-62)
Pascal: the Mathematician

Pascal’s Mystic Hexagram

Pascal’s Theorem states:
If a hexagon is inscribed in any conic section, then the points where opposite sides meet are collinear.
Pascal's Triangle

1 1
1 2 1
1 3 3 1
1 4 6 4 1
1 5 10 10 5 1
1 6 15 20 15 6 1
1 7 21 35 35 21 7 1
...
...
Probability
Pascaline Calculator
Leonhard Euler

\[ e^x \cos(x) + j \sin(x) = e^{jx} \]

polyhedra: \( v - e + f = 2 \)
Euler angles defining a rotation in space.
Euler approximation
Euler brick
Euler characteristic in algebraic topology and topological graph theory, and the corresponding Euler's formula
Euler's circle
Eulerian circuit
Euler class
Euler's constant
Euler cycle
Euler's criterion
Euler derivative
Euler diagram
Euler's disk
Eulerian graph
Euler–Rodrigues parameters

The Euler integrals of the first and second kind, namely the beta function and gamma function.
Euler's line – relation between triangle centers
Euler–Mascheroni constant or Euler's constant $\gamma \approx 0.577216$
Eulerian matroid
Euler's number, e, the base of the natural logarithm.
Euler operator – set of functions to create polygon meshes
Euler parameters
Eulerian path, a path through a graph that takes each edge once.
Euler polynomials
Euler pseudoprime
Euler's criterion
Euler derivative
Euler diagram
Euler's disk
Eulerian graph
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Euler angles defining a rotation in space.
- Euler approximation
- Euler brick
- Euler characteristic in algebraic topology and topological graph theory, and the corresponding Euler's formula
- Euler circle
- Eulerian circuit
- Euler class
- Euler's constant
- Euler cycle
- Eulerian path, a path through a graph that takes each edge once.
- Euler polynomials
- Euler pseudoprime
- Euler–Rodrigues parameters
- Euler's rule
Euler spline
Euler squares
Euler substitution
Euler summation
Euler system
Euler's three-body problem
Euler's sum of powers
conjecture
Euler equations (fluid dynamics)
Euler's equations (rigid body dynamics)
Euler–Bernoulli beam equation
Euler–Cauchy equation
Euler–Lagrange equation
Euler–Lotka equation
Euler–Poisson–Darboux equation
Euler's pump and turbine equation
Euler–Tricomi equation

Euler transform
Euler's formula $e^{ix} = \cos x + i\sin x$ in complex analysis.
Euler's formula for planar graphs or polyhedra: $v - e + f = 2$
Euler's formula for the critical load of a column
Euler's continued fraction formula
Euler product formula – for the Riemann zeta function.
Euler–Maclaurin formula (Euler's summation formula)
Euler–Rodrigues formulas
Euler's homogeneous function theorem
Euler's totient function
Euler hypergeometric integral
Euler's identity $e^{i\pi} + 1 = 0$.
Euler's four-square identity
Euler's number, \( e \approx 2.71828 \), Euler's idoneal numbers
Euler numbers are an integer sequence.
Euler number (physics), the cavitation number in fluid dynamics.
Euler number (topology) – now, Euler characteristic
Euler–Mascheroni constant
Eulerian integers are the numbers of form \( a+b\omega \) where \( \omega \) is a complex cube root of 1.
Euler's homogeneous function theorem
Euler's infinite tetration theorem
Euler's rotation theorem
Euler's theorem (differential geometry)

Euler's theorem in geometry, relating the circumcircle and incircle of a triangle.
Euclid–Euler theorem
Euler–Fermat theorem
Euler's adding-up theorem in economics
Euler's first law about the linear momentum of a body
Euler's second law about the sum of the external moments about a point
Leonhard Euler

“For since the fabric of the universe is most perfect and the work of a most wise Creator, nothing at all takes place in the universe in which some rule of maximum or minimum does not appear.”
Were all motivated by belief in God?

God?

Pierre Simon Laplace (1749-1827).

\[ X(s) = \int_0^\infty x(t)e^{-st} \, dt \]
Napoleon asked Laplace why God was not mentioned in any of his work on celestial mechanics. Laplace responded ... 

“Sire, je n’avais pas besoin de cette hypothèse.”

“Sire, I had no need of that hypothesis.”
Theist ≠ Christian

**Christian**: The knowing of God, the creator of the universe, personally. Belief in God’s supremacy and saving grace made possible through the sacrifice of His son, Jesus Christ.

What were the belief of these theist scientist?
“JESUS SAID ONE MUST BE BORN AGAIN, MUST BECOME AS A LITTLE CHILD. [YOU] MUST LET NO LAZINESS, NO FEAR, NO STUBBORNNESS KEEP [YOU] FROM [YOUR] DUTY.”
Donald Knuth

“Everyone who has faith – a personal trust that Jesus is God’s Son – has eternal life [and] lives forever”
“There is one God, the Father, ever-living, omnipresent, omniscient, almighty, the Maker of heaven and earth, and one Mediator between God and man, the man Christ Jesus....”

Sir Isaac Newton
“We account the Scriptures of God to be the most sublime philosophy. I find more sure marks of authenticity in the Bible than in any profane history whatsoever... Worshiping God and the Lamb [Jesus Christ] in the temple: God, for his benefaction in creating all things, and the Lamb, for his benefaction in redeeming us with his blood.”

Sir Isaac Newton
Johannes Kepler

“I believe only and alone in the service of Jesus Christ. In Him is all refuge and solace.”
“[T]hough the thought of death brings the thought of judgment, it also brings to the Christian thought of Him [Jesus Christ] who died, … [and] rose again for the justification of those who believe in Him.”

Michael Faraday

“Speculations! I know nothing about speculations. I’m resting on certainties. ‘I know my Redeemer liveth’ and because He lives I shall also live.” purported to Faraday near death when queried by reporters about “speculations” of life after death.
“Christ [is] the power of God and the wisdom of God. The Christian religion is a revelation and that revelation is the Word of God.”

*Michael Faraday*
“Think what God has determined to do to all those who submit themselves to his righteousness and are willing to receive his gift [of eternal life in Jesus Christ]. They are to be conformed to the image of his Son and when that is fulfilled and God sees they are conformed to the image of Christ, there can be no more condemnation.”

James Clerk Maxwell.
1. "THE DIVINITY OF CHRIST'S MISSION IN THIS WORLD CANNOT POSSIBLY BE CALLED INTO QUESTION."
2. "][IT IS] AN ESTABLISHED TRUTH THAT CHRIST HAS RISEN FROM THE DEAD."
3. "WE CAN ABSOLUTELY TRUST IN ALL THE PROMISES GIVEN IN THE GOSPEL."
PENSEES
DE
M. PASCAL
SUR LA RELIGION
ET SUR QUELQUES
AUTRES SUJETS,
QUI ONT ETTE TROUVEES APRES SA MORT,
PARMI SES PAPIERS.
SECONDE EDITION.

A PARIS,
CHEZ GUILLAUME DESPREZ,
rue Saint Jacques, a Saint Pouicet.
M. DC. LXX.
AVEC PREVILEGE & APPROBATION.

Blaise Pascal
Blaise Pascal

“We know God only through Jesus Christ... through Jesus Christ we know God. All who have pretended to know God, and prove Him without Jesus Christ, have only had impotent proofs.”

"There is a God-shaped vacuum in the heart of every man, which only God can fill through His Son Jesus Christ."
“How can anyone lose who chooses to become a Christian? If, when he dies, there turns out to be no God and his faith was in vain, he has lost nothing - in fact, he has been happier in life than his nonbelieving friends. If, however, there is a God and a heaven and hell, then he has gained heaven and his skeptical friends will have lost everything in hell!”

**Pascal’s Wager: A Venn Diagram**

<table>
<thead>
<tr>
<th></th>
<th>You Believe!</th>
<th>You Don’t Believe.</th>
</tr>
</thead>
<tbody>
<tr>
<td>No God</td>
<td><strong>At least you led a good life!</strong></td>
<td><strong>Life with limited purpose</strong></td>
</tr>
<tr>
<td></td>
<td><img src="image1.png" alt="Image" /></td>
<td><img src="image2.png" alt="Image" /></td>
</tr>
<tr>
<td>God Exists</td>
<td><strong>Eternity With God!</strong></td>
<td><strong>Eternity Without God</strong></td>
</tr>
<tr>
<td></td>
<td><img src="image3.png" alt="Image" /></td>
<td><img src="image4.png" alt="Image" /></td>
</tr>
</tbody>
</table>
Monday, Nov 23, 1654


God of Jesus Christ.

"Thy God and my God." (Jn 20:17)

Forgetfulness of the world and of everything, except God.

Let me not be separated from Him eternally.

"This is eternal life, That they might know Thee, the only true God, And Jesus Christ, whom Thou hast sent." (Jn 17:3)

Joy, joy, joy, tears of joy.
“Jesus Christ
I have separated myself from Him:
I have fled from Him,
denied Him,
crucified Him.

Let me never be separated from Him.
We keep hold of Him only by the ways taught in the Gospel.

Renunciation, total and sweet.
Total submission to Jesus Christ and to my director.
Eternally in joy for a day's training on earth.

"I will not forget thy words." (Ps 119:16) Amen.
Pascal’s Prayer

Almighty God, who gave your servant Blaise Pascal a great Intellect, that he might explore the mysteries of your creation, and who kindled in his heart a love for you and a devotion to your service: Mercifully give us your servants, according to our various callings, gifts of excellence in body, mind, and will, and the grace to use them diligently and to your glory, through Jesus Christ our Lord, who lives and reigns with you and the Holy Spirit, one God, now and for ever.”
What about today?

<table>
<thead>
<tr>
<th>Year</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>1776</td>
<td>17%</td>
</tr>
<tr>
<td>1860</td>
<td>34%</td>
</tr>
<tr>
<td>1860</td>
<td>37%</td>
</tr>
<tr>
<td>1870</td>
<td>35%</td>
</tr>
<tr>
<td>1890</td>
<td>45%</td>
</tr>
<tr>
<td>1906</td>
<td>61%</td>
</tr>
<tr>
<td>1916</td>
<td>53%</td>
</tr>
<tr>
<td>1926</td>
<td>56%</td>
</tr>
<tr>
<td>1952</td>
<td>59%</td>
</tr>
<tr>
<td>1980</td>
<td>62%</td>
</tr>
<tr>
<td>1990</td>
<td>64%</td>
</tr>
<tr>
<td>2005*</td>
<td>69%</td>
</tr>
</tbody>
</table>

* From the Baylor survey

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**Table 6**
Percent of Americans Who Belong to a Local Congregation
“...contrary to popular myth, scientists appear to have the same range of attitudes about religious matters as does the general public.” Alan Lightman

http://www.leaderu.com/offices/schaefer/docs/scientists.html
Science reveals an "intelligence beyond the universe"
Can Atheism be Debated?
Recall Peter Atkins
Christ is “the only solution that makes sense”
Francis Collins

Responding to question: “Did you have ... a born again experience?”
"We are dying because of the fall. Our only hope is Christ"
Takeaways...

- Science and faith are not mutually exclusive. One illuminates the other.
- The battle is ideological – not scientific
- There is nothing new under the sun
- Faith in Christ is not correlated with intellect.
- Science apologetics run deep.

What is the appeal of Christ?
Christian Calculus.com
we know what they did.
here's what they believed.

What?
Posters with quotes from famous scientists concerning their faith in God and Christ.

Larger copies of the posters can be downloaded in either MS Windows format (doc) or in pdf. The pdf is fine for printing the posters on regular sized paper. For larger printing, the doc file is best.

Featured Scientist
Michael Farady

"[T]hough ... death brings the thought of judgment, it also brings to the Christian thought of Him [Jesus Christ]
Extra Slides
More Info: ChristianCalculus.org

Blaise Pascal
- Metric Unit for Pressure
- Pascal's Wager
- Inventor of Pascaline Computer
- Pascal's Negative Binomial Distribution
- Pascal's Triangle

Thomas Bayes
- Bayes Theorem
- Bayesian Inference
- Bayesian Statistics

George Washington Carver
- American Botanist & Inventor of Over 300 Agricultural Products

Sir Isaac Newton
- Newton's Laws of Motion
- The Calculus
- Metric Unit for Force
- Newtonian Physics
- Newtonian Telescope
- Universal Gravitation
- Newton's Rings
- Newton-Raphson Method

Louis Pasteur
- Pasteurization
- Immunology
- Confirmed the Germ Theory of Disease

"There is a God-shaped vacuum in the heart of every man, which only God can fill through His Son Jesus Christ."

"God always does that which is right and fit, and that all his moral attributes, [namely] justice, truth, faithfulness, mercy, patience, [etc.] are but so many different modifications of rectitude."

"I must be born again. I must become a new creature. I must not remain a child. I must grow up to Christ."

"There is one God, the Father, Self-living, omnipotent, omniscient, almighty, the Maker of heaven and earth, and the Mediator between God and man, the Man Christ Jesus..."

"The more I study nature, the more I stand amazed at the work of the Creator. Into his tiniest creatures, God has placed extraordinary properties..."
Solomon’s Sage Advice for Scholars...